



PT 449	<b>Information Disclosure Citation in an Application</b>		Patent No. 09/870,944	Applicant(s) Michael I. Catherwood	
			Docket Number 068354.1443	Group Art Unit 2124	Filing Date June 1, 2001

## U.S. PATENT DOCUMENTS

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
CD	A.	3771146	11/73	Cotton et al.	<del>710</del>	<del>260</del>	
	B.	3781810	12/25/73	Downing	<del>712</del>	<del>228</del>	
	C.	3886524	5/75	Appelt, Daren R.	<del>710</del>	<del>110</del>	
	D.	4025771	5/77	Lynch et al.	<del>708</del>	<del>521</del>	
	E.	4074353	2/78	Woods et al.	<del>710</del>	<del>264</del>	
	F.	4090250	5/78	Carlson et al.	<del>712</del>	<del>234</del>	
	G.	4379338	4/83	Nishitani et al.	<del>708</del>	<del>552</del>	
	H.	4398244	8/9/83	Chu et al.	<del>712</del>	<del>244</del>	
	I.	4451885	5/84	Gerson et al.	<del>708</del>	<del>200</del>	
	J.	4472788	9/18/84	Yamazaki	<del>708</del>	<del>209</del>	
	K.	4481576	11/6/84	Bicknell	<del>711</del>	<del>217</del>	
	L.	4488252	12/11/84	Vassar	<del>708</del>	<del>505</del>	
CD	M.	4511990	4/16/85	Hagiwara et al.	<del>708</del>	<del>501</del>	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
CD	N.	0 855 643 A1	29-07-98	EP				
CD	O.	0 554 917 A2	11-08-93	EP				
	P.							

## NON-PATENT DOCUMENTS

		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
	Q.	Moon B I et al.: "A 32-bit RISC Microprocessor with DSP Functionality: Rapid Prototyping" IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, Institute of Electronics Information and Comm. Eng. Tokyo, JP, vol. E84-A no. 5, pages 1339-1347, XP001060025 ISSN: 0916-8508	May 2001
	R.	Turley J: "Balancing Conflicting Requirements When Mixing RISC, DSPs" Computer Design, Pennwell Publ. Littleton, Massachusetts, IS, vol. 37, no. 10, pages 46, 48, 50-53, XP000860706 ISSN: 0010-4566	October 1998
	S.	Levy M: "Microprocessor and DSP Technologies Unite for Embedded Applications" EDN Electrical Design News, Cahners Publishing Co., Newtown Massachusetts, US, no. Europe, pages 73-74, 76, 78-80, XP000779113 ISSN: 0012-7515	2 March 1998
	T.		

EXAMINER

DATE CONSIDERED

10/5/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



<b>Information Disclosure Citation in an Application</b>	Patent No. 09/870,446	Applicant(s) Michael I. Catherwood	
	Docket Number 068354.1443	Group Art Unit 2124	Filing Date June 1, 2001

## U.S. PATENT DOCUMENTS

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
CD	A.	4556938	12/3/85	Parker et al.	<del>712</del>	<del>241</del>	
	B.	4626988	12/2/86	George	<del>712</del>	<del>241</del>	
	C.	4730248	3/8/88	Watanabe et al.	<del>712</del>	<del>228</del>	
	D.	4779191	10/88	Greenblatt, Richard	<del>711</del>	<del>2</del>	
	E.	4782457	11/1/88	Cline	<del>708</del>	<del>205</del>	
	F.	4807172	2/21/89	Nukiyama	<del>708</del>	<del>209</del>	
	G.	4829460	5/9/89	Ito	<del>708</del>	<del>209</del>	
	H.	4829420	5/9/89	Stahle	<del>711</del>	<del>200</del>	
	I.	4841468	6/89	Miller et al.	<del>708</del>	<del>625</del>	
	J.	4839846	6/13/89	Hirose et al.	<del>708</del>	<del>497</del>	
	K.	4872128	10/3/89	Shimizu	<del>708</del>	<del>209</del>	
	L.	4882701	11/21/89	Ishii	<del>712</del>	<del>241</del>	
CD	M.	4926371	5/90	Vassiliadis et al.	<del>708</del>	<del>628</del>	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	N.							
	O.							
	P.							

## NON-PATENT DOCUMENTS

		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
	Q.		
	R.		
	S.		
	T.		
	U.		

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



<b>Information Disclosure Citation in an Application</b>	Patent No. 09/870,446	Applicant(s) Michael I. Catherwood	
	Docket Number 068354.1443	Group Art Unit 2124	Filing Date June 1, 2001

## U.S. PATENT DOCUMENTS

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
CD	A.	4941120	7/10/90	Brown et al.	<del>708</del>	<del>497</del>	
	B.	4943940	7/24/90	New	<del>708</del>	<del>507</del>	
	C.	4959776	9/25/90	Deerfield et al.	<del>711</del>	<del>217</del>	
	D.	4977533	12/11/90	Miyabayashi et al.	<del>708</del>	<del>404</del>	
	E.	4984213	1/8/91	Abdoo et al	<del>965</del>	<del>230.03</del>	
	F.	5007020	4/9/91	Inskeep	<del>711</del>	<del>209</del>	
	G.	5012441	4/30/91	Retter	<del>711</del>	<del>217</del>	
	H.	5032986	7/16/91	Pathak et al.	<del>711</del>	<del>217</del>	
	I.	5038310	8/6/91	Akagiri et al.	<del>708</del>	<del>205</del>	
	J.	5056004	10/8/91	Ohde et al.	<del>712</del>	<del>241</del>	
	K.	5099445	3/24/92	Studor et al.	<del>708</del>	<del>209</del>	
	L.	5101484	3/31/92	Kohn	<del>712</del>	<del>241</del>	
CD	M.	5117498	5/26/92	Miller, et al.	<del>712</del>	<del>241</del>	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	N.							
	O.							
	P.							

## NON-PATENT DOCUMENTS

		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
	Q.		
	R.		
	S.		
	T.		
	U.		

EXAMINER

DATE CONSIDERED

10/5/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



PTC 449

**Information Disclosure Citation  
in an Application**

Patent No.

09/870,446

Applicant(s)

Michael I. Catherwood

Docket Number

068354.1443

Group Art Unit

2124

Filing Date

June 1, 2001

**U.S. PATENT DOCUMENTS**

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
①	A.	5121431	6/92	Wiener, Michael J.	<del>713</del>	<del>174</del>	
	B.	5122981	6/16/92	Taniguchi	<del>708</del>	<del>497</del>	
	C.	5155823	10/13/92	Tsue	<del>711</del>	<del>217</del>	
	D.	5197140	3/23/93	Balmer	<del>711</del>	<del>222</del>	
	E.	5197023	3/23/93	Nakayama	<del>708</del>	<del>505</del>	
	F.	5206940	4/27/93	Murakami et al.	<del>711</del>	<del>218</del>	
	G.	5212622	5/18/93	Cocanougher et al.	<del>708</del>	<del>508</del>	
	H.	4408274	10/93	Wheatley et al	<del>711</del>	<del>163</del>	
	I.	5276634	1/4/94	Suzuki et al.	<del>708</del>	<del>497</del>	
	J.	5282153	1/25/94	Bartkowiak et al.	<del>708</del>	<del>233</del>	
	K.	5327566	7/5/94	Forsyth	<del>710</del>	<del>260</del>	
	L.	5327543	7/5/94	Miura et al.	<del>712</del>	<del>224</del>	
①	M.	5379240	1/3/95	Byrne	<del>708</del>	<del>209</del>	

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	N.							
	O.							
	P.							

**NON-PATENT DOCUMENTS**

	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
Q.		
R.		
S.		
T.		
U.		

EXAMINER

DATE CONSIDERED

10/5/04

EXAMINER Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



PTO 449 <b>Information Disclosure Citation in an Application</b>	Patent No. 09/870,446	Applicant(s) Michael I. Catherwood	
	Docket Number 068354.1443	Group Art Unit 2124	Filing Date July 19, 2001

## U.S. PATENT DOCUMENTS

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
CD	A.	5422805	6/95	McIntyre et al.	<del>708</del>	<del>625</del>	
	B.	5448703	9/5/95	Amini et al.	<del>710</del>	<del>110</del>	
	C.	5448706	9/5/95	Fleming et al.	<del>711</del>	<del>217</del>	
	D.	5463749	10/31/95	Wertheizer et al.	<del>711</del>	<del>110</del>	
	E.	5469377	11/21/95	Amano	<del>708</del>	<del>497</del>	
	F.	5471600	11/28/95	Nakamoto	<del>711</del>	<del>5</del>	
	G.	5497340	3/5/96	Uramoto et al.	<del>708</del>	<del>552</del>	
	H.	5499380	3/12/96	Iwata et al.	<del>711</del>	<del>212</del>	
	I.	5517436	5/96	Andreas et al.	<del>708</del>	<del>524</del>	
	J.	5548544	8/20/96	Matheny et al.	<del>708</del>	<del>497</del>	
	K.	5568380	10/96	Broadnax et al.	<del>700</del>	<del>79</del>	
	L.	5568412	10/22/96	Han et al.	<del>708</del>	<del>497</del>	
CD	M.	5596760	1/21/97	Ueda	<del>712</del>	<del>244</del>	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	N.							
	O.							
	P.							

## NON-PATENT DOCUMENTS

		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
	Q.		
	R.		
	S.		
	T.		
	U.		

EXAMINER

DATE CONSIDERED

10/5/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



<b>Information Disclosure Citation in an Application</b>	<b>Patent No.</b> 09/870,446	<b>Applicant(s)</b> Michael I. Catherwood	
	<b>Docket Number</b> 068354.1443	<b>Group Art Unit</b> 2124	<b>Filing Date</b> June 1, 2001

## U.S. PATENT DOCUMENTS

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
CD	A.	5600813	2/4/97	Nakagawa et al.	<del>711</del>	<del>217</del>	
	B.	5619711	4/8/97	Anderson	<del>712</del>	<del>221</del>	
	C.	5642516	6/97	Hedayat et al.	<del>710</del>	<del>260</del>	
	D.	5638524	6/10/97	Kiuchi et al.			
	E.	5651121	7/22/97	Davies			
	F.	5657484	8/12/97	Scarrá			
	G.	5682339	10/28/97	Tam			
	H.	5689693	11/18/97	White	<del>712</del>	<del>224</del>	
	I.	5694350	12/2/97	Wolrich et al.	<del>708</del>	<del>497</del>	
	J.	5696711	12/9/97	Makineni	<del>708</del>	<del>497</del>	
	K.	5706460	1/6/98	Craig et al.	<del>712</del>	<del>204</del>	
	L.	5715470	2/3/98	Asano et al.	<del>375</del>	<del>341</del>	
CD	M.	5740095	4/98	Parant, Phillippe	<del>708</del>	<del>628</del>	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	N.							
	O.							
	P.							

## NON-PATENT DOCUMENTS

		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
	Q.		
	R.		
	S.		
	T.		
	U.		

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



PG 1449

**Information Disclosure Citation  
in an Application**

Patent No.

09/870,446

Applicant(s)

Michael I. Catherwood

Docket Number

068354.1443

Group Art Unit

2124

Filing Date

June 1, 2001

**U.S. PATENT DOCUMENTS**

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
CD	A.	5737570	4/7/98	Koch	<del>711</del>	<del>149</del>	
	B.	5740419	4/14/98	Potter	<del>712</del>	<del>241</del>	
	C.	5748516	5/5/98	Goddard et al.	<del>708</del>	<del>497</del>	
	D.	5765216	6/98	Weng et al.	<del>711</del>	<del>214</del>	
	E.	5764555	6/9/98	McPherson et al.	<del>708</del>	<del>497</del>	
	F.	5774711	6/30/98	Henry et al.	<del>712</del>	<del>244</del>	
	G.	5778416	7/7/98	Harrison et al.	<del>711</del>	<del>5</del>	
	H.	5790443	8/4/98	Shen et al.	<del>708</del>	<del>491</del>	
	I.	5808926	9/15/98	Gorshtein et al.	<del>708</del>	<del>497</del>	
	J.	5812439	9/22/98	Hansen	<del>708</del>	<del>497</del>	
	K.	5826096	10/20/98	Baxter	<del>712</del>	<del>24</del>	
	L.	5825730	10/20/98	Nishida et al.	<del>369</del>	<del>443</del>	
CD	M.	5828875	10/27/98	Halvarsson et al.	<del>712</del>	<del>241</del>	

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	N.							
	O.							
	P.							

**NON-PATENT DOCUMENTS**

	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
Q.		
R.		
S.		
T.		
U.		

EXAMINER

DATE CONSIDERED

10/5/04

EXAMINER: Initial citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



<b>Information Disclosure Citation in an Application</b>	Patent No. 09/870,446	Applicant(s) Michael I. Catherwood	
	Docket Number 068354.1443	Group Art Unit 2124	Filing Date June 1, 2001

## U.S. PATENT DOCUMENTS

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
(C)	A.	5862065	1/19/99	Muthusamy	708	521	
	B.	5880984	3/9/99	Burchfiel et al.	708	501	
	C.	5892697	4/6/99	Brakefield	708	496	
	D.	5892699	4/6/99	Duncan et al.	708	628	
	E.	5894428	4/13/99	Harada	708	306	
	F.	5909385	6/1/99	Nishiyama et al.	708	630	
	G.	5917741	6/29/99	Ng.	708	497	
	H.	5930503	7/27/99	Drees	713		
	I.	5930159	7/27/99	Wong	708	550	
	J.	5944816	8/99	Dutton et al.	712	215	
	K.	5936870	8/99	Im, Jin Hyeock	708	552	
	L.	5938759	8/17/99	Kamijo	712	209	
(C)	M.	5943249	8/24/99	Handlogten	708	496	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	N.							
	O.							
	P.							

## NON-PATENT DOCUMENTS

	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
Q.		
R.		
S.		
T.		
U.		

EXAMINER

DATE CONSIDERED

10/5/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.





<b>Information Disclosure Citation in an Application</b>	Patent No. 09/870,446	Applicant(s) Michael I. Catherwood	
	Docket Number 068354.1443	Group Art Unit 2124	Filing Date June 1, 2001

## U.S. PATENT DOCUMENTS

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
CD	A.	5941940	8/24/99	Prasad et al.	<del>708</del>	<del>523</del>	
	B.	5951679	9/14/99	Anderson, et al.	<del>712</del>	<del>241</del>	
	C.	5951627	9/14/99	Kiamilev et al.	<del>708</del>	<del>404</del>	
	D.	5991787	11/23/99	Abel et al.	<del>708</del>	<del>400</del>	
	E.	5996067	11/30/99	White	<del>712</del>	<del>224</del>	
	F.	6009454	12/28/99	Dummermuth	<del>718</del>	<del>108</del>	
	G.	6014723	1/11/00	Tremblay et al.	<del>711</del>	<del>1</del>	
	H.	6026489	2/15/00	Wachi et al.	<del>712</del>	<del>241</del>	
	I.	6044392	3/28/00	Anderson et al.	<del>708</del>	<del>551</del>	
	J.	6044434	3/28/00	Oliver	<del>711</del>	<del>110</del>	
	K.	6061783	5/00	Harriman, Ward	<del>712</del>	<del>224</del>	
	L.	6061711	5/00	Song et al.	<del>718</del>	<del>108</del>	
CD	M.	6058409	5/2/00	Kozaki et al.	<del>708</del>	<del>409</del>	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	N.							
	O.							
	P.							

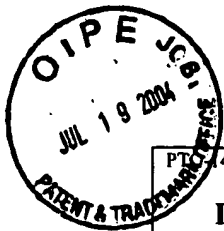
## NON-PATENT DOCUMENTS

		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
	Q.		
	R.		
	S.		
	T.		
	U.		

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



PT 449 <b>Information Disclosure Citation in an Application</b>	Patent No. 09/870,446	Applicant(s) Michael I. Catherwood	
	Docket Number 068354.1443	Group Art Unit 2124	Filing Date June 1, 2003

## U.S. PATENT DOCUMENTS

$\alpha$		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
<input checked="" type="checkbox"/>	A.	6058410	5/2/00	Sharangpani	708	<del>551</del>	
<input type="checkbox"/>	B.	6058464	5/2/00	Taylor	<del>711</del>	<del>205</del>	
<input type="checkbox"/>	C.	6061780	5/9/00	Shippey, et al.	<del>712</del>	<del>204</del>	
<input type="checkbox"/>	D.	6076154	6/13/00	Van Eijndhoven et al	<del>712</del>	<del>24</del>	
<input type="checkbox"/>	E.	6101599	8/00	Wright et al.	<del>712</del>	<del>228</del>	
<input type="checkbox"/>	F.	6101521	8/8/00	Kosiec	<del>708</del>	<del>550</del>	
<input type="checkbox"/>	G.	6115732	9/5/00	Oberman et al.	<del>708</del>	<del>625</del>	
<input type="checkbox"/>	H.	6128728	10/3/00	Dowling	<del>712</del>	<del>228</del>	
<input type="checkbox"/>	I.	6134574	10/17/00	Oberman et al.	<del>708</del>	<del>551</del>	
<input type="checkbox"/>	J.	6144980	11/00	Oberman, Stuart F.	<del>708</del>	<del>627</del>	
<input type="checkbox"/>	K.	6145049	11/7/00	Wong	<del>710</del>	<del>267</del>	
<input type="checkbox"/>	L.	6205467	3/01	Lambrech et al.	<del>718</del>	<del>108</del>	
<input checked="" type="checkbox"/>	M.	6243804	6/01	Cheng, Chuck Cheuk-wing	<del>712</del>	<del>228</del>	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<input type="checkbox"/>	N.							
<input type="checkbox"/>	O.							
<input type="checkbox"/>	P.							

## NON-PATENT DOCUMENTS

	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
<input type="checkbox"/>	Q.	
<input type="checkbox"/>	R.	
<input type="checkbox"/>	S.	
<input type="checkbox"/>	T.	
<input type="checkbox"/>	U.	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



<b>Information Disclosure Citation in an Application</b>	<b>Patent No.</b> 09/870,446	<b>Applicant(s)</b> Michael I. Catherwood	
	<b>Docket Number</b> 068354.1443	<b>Group Art Unit</b> 2124	<b>Filing Date</b> June 1, 2001

**U.S. PATENT DOCUMENTS**

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
(1)	A.	6295574	9/01	MacDonald, James R.	710	261	
	B.	6377619	4/02	Denk et al.	708	322	
	C.	6412081	6/02	Koscal et al.	714	34	
	D.	6487654	11/02	Dowling, Eric M.	712	244	
	E.	6633970	10/03	Clift et al.	712	217	
	F.	6523108	2/03	James et al.	712	224	
(1)	G.	6564238	5/03	Kim et al.	708	513	
	H.						
	I.						
	J.						
	K.						
	L.						
	M.						
	N.						

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
	O.						YES	NO
	P.							
	Q.							

**NON-PATENT DOCUMENTS**

		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
	R.		
	S.		
	T.		
	U.		

EXAMINER

DATE CONSIDERED

10/5/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.